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*Admitted only in Maryland
*Admitted only in Virginia
*Practice Limited to
Federal Agencies

November 14, 2006

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Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Attn: Certificate of Correction Branch

Re: U.S. Utility Patent No. 7,065,162 B1; Issue Date: June 20, 2006
(from Appl. No. 09/550,642; Filed: April 14, 2000)
For: **Method and System for Down-Converting an Electromagnetic Signal,
and Transforms for Same**
Inventors: **SORRELLS et al.**
Our Ref: 1744.0920001

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Request for Certificate of Correction under 37 C.F.R. §§ 1.322 and 1.323;
2. Fee Transmittal Form (PTO/SB/17);
3. Credit Card Payment Form (PTO-2038) authorized in the amount of \$100.00 to cover the Certificate of Correction filing fee;
4. One (1) page of Certificate of Correction Form (PTO/SB/44); and
5. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

**Certificate
NOV 17 2006
of Correction**

Commissioner for Patents

November 14, 2006

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The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Patrick E. Garrett

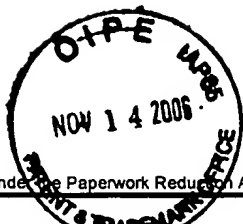
Attorney for Patentees

Registration No. 39,987

PEG/Y-M/mlb

Enclosures

607895_1.DOC



PTO/SB/17 (01-06)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it displays a valid OMB control number

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2006☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) **100.00****Complete if Known**

Application Number	7, 065,162 B1 (Patent No.)
Filing Date	June 20, 2006 (Issue Date)
First Named Inventor	David F. SORRELLS
Examiner Name	Odom, Curtis B.
Art Unit	2634
Attorney Docket No.	1744.0920001

METHOD OF PAYMENT (check all that apply)☐ Check ☒ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____☒ Deposit Account Deposit Account Number: **19-0036** Deposit Account Name: **Sterne, Kessler, Goldstein & Fox P.L.L.C.**

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below☐ Charge fee(s) indicated below, **except for the filing fee**☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17☒ Credit any overpayments**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES**Fee Description**

Each claim over 20 (including Reissues)

Fee (\$)	Small Entity Fee (\$)
50	25
200	100
360	180

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims **Extra Claims** **Fee (\$)** **Fee Paid (\$)**

- 20 or HP = _____ x _____ = _____

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims **Extra Claims** **Fee (\$)** **Fee Paid (\$)**

- 3 or HP = _____ x _____ = _____

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____ - 100 = _____	/ 50 = _____	(round up to a whole number) x _____	= _____	

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): **Certificate of Correction fee**

Fees Paid (\$)

100.00

SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	39,987	Telephone	(202) 371-2600
Name (Print/Type)	Patrick E. Garrett	Date	11/14/06		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent of:

SORRELLS *et al.*

Patent. No.: 7,065,162 B1

Issued: June 20, 2006

For: **Method and System for Down-
Converting an Electromagnetic
Signal, and Transforms for Same**

Confirmation No.: 9236

Art Unit: 2634

Examiner: Curtis B. Odom

Atty. Docket: 1744.0920001

**Request for Certificate of Correction
under 37 C.F.R. § 1.322 and 1.323**

Attn: Certificate of Correction Branch

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

It is hereby requested that a Certificate of Correction under 37 C.F.R. §§ 1.322 and 1.323 be issued for the above-captioned United States Patent. This Certificate of Correction is being requested due to mistakes which appear in the printed patent. These mistakes were made by both the U.S. Patent and Trademark Office and by Applicants. The mistakes made by Applicants are of a clerical or typographical nature, or of a minor character. Patentees submit that correction of these errors does not introduce new matter.

Specifically, the printed patent contains the following errors for which a Certificate of Correction is respectfully requested:

11/15/2006 JADD01 00000135 7065162

01 FC:1811

100.00 0P

In item (56), under "Foreign Patent Documents", the citation for --DE 196 48 915 A1-- should be inserted.

In column 78, line 53, "FC+FIF" should be replaced with --FC+FIF--.

In column 169, line 53 (EQ. 116), "?" should be replaced with -- --.

In column 169, line 55 (EQ. 111), "?" should be replaced with -- --.

In column 170, line 21 (EQ. 119), "f(l)" should be replaced with --f(t)--

In column 183, line 20, "F?As phase shift" should be deleted.

In column 183, line 21, --F?As phase shift-- should be inserted before "angle".

In column 183, line 38 (EQ. 164), "S0(tk)Q-ASiQ(tk)+ñQk" should be replaced with --S0(tk)Q=ASiQ(tk)+ñQk--

In column 196, lines 33-34 should be replaced with --s=1 ps=1·10-12
ns=1·10-9 μs=1·10-16 MHz=1·106 KHz=1·103--.

In column 196, line 44, "period40 ns" should be replaced with --period
= 40 ns--.

In column 196, line 60, "8.333_104" should be replaced with --
8.333·104--.

In column 196, line 65, "(1 ns)_time" should be replaced with --(1
ns)·time--.

In column 197, line 7, "(500 ps)_time" should be replaced with --(500
ps)·time--.

In column 200, line 60 (EQ. 172), "(?ctF)" should be replaced with --
(?ct+F)--.

In column 202, line 60, "Aperture Width" should be replaced with --
Aperture_Width--.

In column 203, line 50, "Aperture Width" should be replaced with --
Aperture_Width--.

In column 204, line 61, "Aperture Width" should be replaced with --
Aperture_Width--.

In column 206, line 12, "Aperture Width" should be replaced with --
Aperture_Width--

Remarks

The above-noted corrections do not involve such changes in the patent as would constitute new matter or would require reexamination.

A completed Form PTO/SB/44 accompanies this request, with the above-noted corrections printed thereon. Accordingly, a Certificate of Correction is believed proper and issuance thereof is respectfully requested.

This request is accompanied by payment of the fee set forth in 37 C.F.R. § 1.20(a). Fee payment is provided in the attached Credit Card Payment Form (PTO-2038). The Commissioner is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Patrick E. Garrett
Attorney for Patentees
Registration No. 39,987

Date: 11/14/06

1100 New York Avenue, N.W.
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(202) 371-2600
607901_1.DOC

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 7,065,162 B2
DATED : June 20, 2006
INVENTOR(S) : SORRELLS et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

- In item (56), under "Foreign Patent Documents", the citation for --DE 196 48 915 A1-- should be inserted.
- In column 78, line 53, "FC+FIF" should be replaced with --FC+FIF--.
- In column 169, line 53 (EQ. 116), "?" should be replaced with -- --.
- In column 169, line 55 (EQ. 111), "?" should be replaced with -- --.
- In column 170, line 21 (EQ. 119), "f(l)" should be replaced with --f(t)--.
- In column 183, line 20, "F?As phase shift" should be deleted.
- In column 183, line 21, --F?As phase shift-- should be inserted before "angle".
- In column 183, line 38 (EQ. 164), "S0(tk)Q-ASiQ(tk)+ñQk" should be replaced with --S0(tk)Q=ASiQ(tk)+ñQk--.
- In column 196, lines 33-34 should be replaced with --s=1 ps=1·10⁻¹² ns=1·10⁻⁹ μs=1·10⁻¹⁶ MHz=1·10⁶ KHz=1·10³--.
- In column 196, line 44, "period40 ns" should be replaced with --period = 40 ns--.
- In column 196, line 60, "8.333_104" should be replaced with --8.333·104--.
- In column 196, line 65, "(1 ns)_time" should be replaced with --(1 ns)·time--.
- In column 197, line 7, "(500 ps)_time" should be replaced with --(500 ps)·time--.
- In column 200, line 60 (EQ. 172), "(?ctF)" should be replaced with --(?ct+F)--.
- In column 202, line 60, "Aperture Width" should be replaced with --Aperture_Width--.
- In column 203, line 50, "Aperture Width" should be replaced with --Aperture_Width--.
- In column 204, line 61, "Aperture Width" should be replaced with --Aperture_Width--.
- In column 206, line 12, "Aperture Width" should be replaced with --Aperture_Width--.

MAILING ADDRESS OF SENDER:

Sterne, Kessler, Goldstein & Fox P.L.L.C.
1100 New York Avenue, N.W.
Washington, DC 20005-3934

PATENT NO.

7,065,162 B2

No. of additional copies

⇒ 0

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.